

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	1190860-991190
First Inventor	Kim, Tae-Hwan
Title	A Vertically Aligned Liquid Crystal Display Device Having An Optimizing Viewing Angle
Express Mail Label No.	EV 301144300 US

APPLICATION ELEMENTS

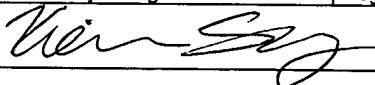
See MPEP chapter 600 concerning utility patent application contents

See MPEP chapter 600 concerning utility patent application contents			ADDRESS TO:	Assistant Commissioner for Patents Mail Stop Patent Application P.O. Box 1450, Alexandria, VA. 22313	
1. <input checked="" type="checkbox"/>	Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)		7. <input type="checkbox"/>	CD-ROM or CD-R in duplicate, large table Computer Program (Appendix)	
2. <input type="checkbox"/>	Applicant claims small entity status. See 37 CFR 1.27.		8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)		
3. <input checked="" type="checkbox"/>	Specification [Total Pages: 18] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R&D - Reference to sequence listing, a table or a computer program listing appendix - Background of the Invention - Brief Description of the Drawings(if filed) - Detailed description - Claim(s) - Abstract of the Disclosure		a. <input type="checkbox"/>	Computer Readable Form (CRF)	
			b. <input type="checkbox"/>	Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies; or ii. <input type="checkbox"/> paper	
			c. <input type="checkbox"/>	Statements verifying identity of above copies	
ACCOMPANYING APPLICATION PARTS					
4. <input checked="" type="checkbox"/>	Drawing(s) (35 U.S.C. 113) [Total Sheets 17]		9. <input type="checkbox"/>	Assignment Papers (cover sheet & document(s))	
5. Declaration and Power of Attorney	[Total Pages 03] Unsigned		10. <input type="checkbox"/>	37 CFR 3.73(b) Statement (when there is an assignee)	<input type="checkbox"/> Power of Attorney
			11. <input type="checkbox"/>	English Translation Document (if applicable)	
			12. <input type="checkbox"/>	Information Disclosure Statement (IDS)/PTO-1449	<input type="checkbox"/> Copies of IDS Citations
a. <input type="checkbox"/>	Newly executed (original copy)		13. <input type="checkbox"/>	Preliminary Amendment	
b. <input type="checkbox"/>	Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed)		14. <input checked="" type="checkbox"/>	Return Receipt Postcard (MPEP 503) (Should be specifically itemized)	
i. <input type="checkbox"/>	DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).		15. <input checked="" type="checkbox"/>	Certified Copy of Priority Document(s) (if foreign priority is claimed)	
			16. <input type="checkbox"/>	Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.	
6. <input type="checkbox"/>	Application Data Sheet. See 37 CFR 1.76.		17. <input checked="" type="checkbox"/>	Check No. 540171 \$918.00; Certificate of Mailing; Request for Priority Under 35 USC 119.....	

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-part (CIP) of prior application No.: _____
Prior application information: Examiner _____ Group/Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

		18. CORRESPONDENCE ADDRESS			
<input checked="" type="checkbox"/> Customer Number or Bar Code Label				or <input type="checkbox"/> Correspondence address below	
Name		K. Jenny Sung 26379			
Address		Gray Cary Ware & Freidenrich <small>PATENT TRADEMARK OFFICE</small> 2000 University Avenue			
City		Palo Alto	State	CA	Zip Code
Country		US	Telephone	650/833-2121	Fax
NAME (Print/Type)		K. Jenny Sung		Registration No. (Attorney/Agent)	48,639
Signature				Date	July 10, 2003

1770
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PTO
07/10/03FEE TRANSMITTAL
for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 918.00)

Complete if Known

Application Number	To Be Assigned
Filing Date	July 10, 2003
First Named Inventor	Kim, Tae-Hwan
Examiner Name	To Be Assigned
Group Art Unit	To Be Assigned
Attorney Docket No.	1190860-991190

METHOD OF PAYMENT (check all that apply)

 Check Credit Card Money Order Other None

Deposit Account Number 07-1896

Deposit Account Name Gray Cary Ware & Freidenrich LLP

The Commissioner is authorized to: (check all that apply)

Charge (fees) indicated below. Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for filing fee
 to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee Code	Fee (\$)	Fee (\$)
1001	2001	750 375	Utility filing fee
1002	2002	330 165	Design filing fee
1003	2003	520 260	Plant filing fee
1004	2004	750 375	Reissue filing fee
1005	2005	160 80	Provisional filing fee

SUBTOTAL (1) (\$ 750.00)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims	Fee from below	Fee Paid
Total Claims	23	-20** = 3	X 18	= 54
Independent Claims	5	-3** = 2	X 84	= 168
Multiple Dependent			X	=

Large Entity	Small Entity	Fee Description
Fee Code	Fee Code	Fee (\$)
1202	2202	18 9
1201	2201	84 42
1203	2203	280 140
1204	2204	84 42
1205	2205	18 9

SUBTOTAL (2) (\$ 168.00)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES			
Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee Code	Fee (\$)	Fee (\$)
1051	2051	130 65	Surcharge - late filing fee or oath
1052	2052	50 25	Surcharge - late provisional filing fee or cover sheet
1053	1053	130 130	Non-English specification
1812	1812	2,520 2,520	For filing a request for ex parte reexamination
1804	1804	920* 920*	Requesting publication of SIR prior to Examiner action
1805	1805	1,840* 1,840*	Requesting publication of SIR after Examiner action
1251	2251	110 55	Extension for reply within first month
1252	2252	410 205	Extension for reply within second month
1253	2253	930 465	Extension for reply within third month
1254	2254	1,450 725	Extension for reply within fourth month
1255	2255	1,970 985	Extension for reply within fifth month
1401	2401	320 160	Notice of Appeal
1402	2402	320 160	Filing a brief in support of an appeal
1403	2403	280 140	Request for oral hearing
1451	1451	1,510 1,510	Petition to institute a public use proceeding
1452	2452	110 55	Petition to revive – unavoidable
1453	2453	1,300 650	Petition to revive – unintentional
1501	2501	1,300 650	Utility issue fee (or reissue)
1502	2502	470 235	Design issue fee
1503	2503	630 315	Plant issue fee
1460	1460	130 130	Petitions to the Commissioner
1807	1807	50 50	Processing fee under 37 CFR 1.17(q)
1806	1806	180 180	Submission of Information Disclosure Stmt
8021	8021	40 40	Recording each patent assignment per property (times number of properties)
1809	2809	750 375	Filing a submission after final rejection (37 CFR § 1.129(a))
1810	2810	750 375	For each additional invention to be examined (37 CFR § 1.129(b))
1801	2801	750 375	Request for Continued Examination (RCE)
1802	1802	900 900	Request for expedited examination of a design application

Other fee (specify)

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40.00)

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Kieun Jenny Sung	Registration No. (Attorney/Agent)	48,639	Telephone	650-320-7536
Signature				Date	July 10, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)Docket No.
1190860-991190

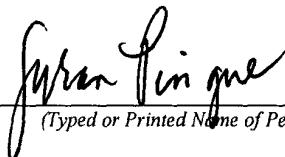
Applicants: KIM, TAE-HWAN, KIM, SANG-IL, YANG, YOUNG-CHOL

Serial No.	Filing Date	Examiner	Group Art Unit
Not Yet Assigned	July 10, 2003	Not Yet Assigned	N/A

Invention:

**A VERTICALLY ALIGNED LIQUID CRYSTAL DISPLAY DEVICE HAVING AN
OPTIMIZING VIEWING ANGLE**I hereby certify that this UTILITY PATENT APPLICATION*(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Commissioner of Patents and Trademarks, P.O. Box 1450, Alexandria, VA 22313-1450, Mail Stop Patent Application on July 10, 2003.

*(Typed or Printed Name of Person Mailing Correspondence)*SUSAN C. PINGUE*(Signature of Person Mailing Correspondence)*EV 301144300 US*("Express Mail" Mailing Label Number)*